

Title (en)

Process for the preparation of super needle coke.

Title (de)

Verfahren zur Herstellung von Nadelkoks hoher Qualität.

Title (fr)

Procédé de fabrication de coke aciculaire de qualité supérieure.

Publication

EP 0175518 A2 19860326 (EN)

Application

EP 85306283 A 19850904

Priority

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Abstract (en)

Described is the method of producing the super needle coke from graphite electrodes, wherein the starting material derived from coal tar or the starting material derived from coal tar and containing less than 0.1 weight percent of the dry sludges or quinoline insolubles is subjected to hydrogenation in the presence of hydrogenation catalyst to give the hydrogenated oil which is further subjected to thermal cracking under the controlled condition and non-volatile components contained in thermally cracked oil are removed to give the starting coking material from the distillate these of which is subjected to delayed coking. The thermal cracking conditions are selected from the conditions in which the pressure range is up to 3.9 MPa (40 kg/cm²G.) The temperature is 470 to 520 °C and the cold residence time is to to 350 seconds, while the coking conditions are selected from the conditions in which the temperature ranged is over 450 to 465 °C and the pressure range is over 0.19 to 0.98 MPa (2 to 10 kg/cm²G.).

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